

An Anthology of Applied Computer Technologies

**Zulkefli Muhammed Yusof
M.M Hafizur Rahman**



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Editors

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1. WEB AND MOBILE BASED PHRASE DICTIONARY

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ABSTRACT

Dictionary is a major component of lexicon in any Language Technology (LT) applications. In this project we developed a web and mobile based phrase dictionary for Hajj/Umrah pilgrims. In doing so, we encountered some differences on technical issues for both web and mobile based dictionary.

1.1 INTRODUCTION

Language Technology (LT) is about processing human language, its form and meaning. Such technology can be combined with other technologies to produce application that deal with language. It is one of the major sub-domains of the Artificial Intelligence. LT would make computer application knowledge based hence multilingual, multimodal and intelligent.

Dictionary is a major component of lexicon in any LT applications. This project is to develop a web-based dictionary and mobile based dictionary. The language conversion we chose is English to Arabic. The dictionary consists of phrase term of English and Arabic for Hajj/Umrah pilgrims. Dictionary is a list of word or phrase and others that provide their meaning or translation or give the synonym term and others. The category of phrases selected is suitable for Hajj/Umrah pilgrims.